



FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: MUH-12838				Applic. No. 10/698,082	
				Applicant Armin Willmeroth et al.					
				Filing Date October 30, 2003				Group Art Unit 2815	
U.S. PATENT DOCUMENTS									
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE		
	A								
	B								
	C								
	D								
	E								
	F								
	G								
	H								
	I								
FOREIGN PATENT DOCUMENT									
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO		
	J								
	K								
	L								
	M								
	N								
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)									
mcu	O	Hajime Akiyama et al.: "Effects of Shorted Collector on Characteristics of IGBTs", <i>Proceedings of 1990 International Symposium on Power Semiconductor Devices and ICs, Tokyo, 1990, pp. 131-136</i>							
	P								
EXAMINER <i>Walter C. Lhu</i>				DATE CONSIDERED 1/5/05					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

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EXAMINER INITIALS							
		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
MCH	A	5,475,243	12/12/95	Saito			
MCH	B	6,222,248 B1	4/24/01	Fragapane			
MCH	C	5,284,780	2/8/94	Schulze et al.			
MCH	D	5,105,244	4/14/92	Bauer			
MCH	E	5,702,961	12/30/97	Park			
MCH	F	5,141,889	8/25/92	Terry et al.			
MCH	G	6,271,545 B1	8/7/01	Schulze			
MCH	H	4,893,165	1/9/90	Miller et al.			
	I						
FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
MCH	J	0 330 122 B1	8/30/89	Europe			YES NO
	K						
	L						
	M						
	N						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER <i>Matthew E. Fisher</i>				DATE CONSIDERED <i>1/5/05</i>			